Fig. 1

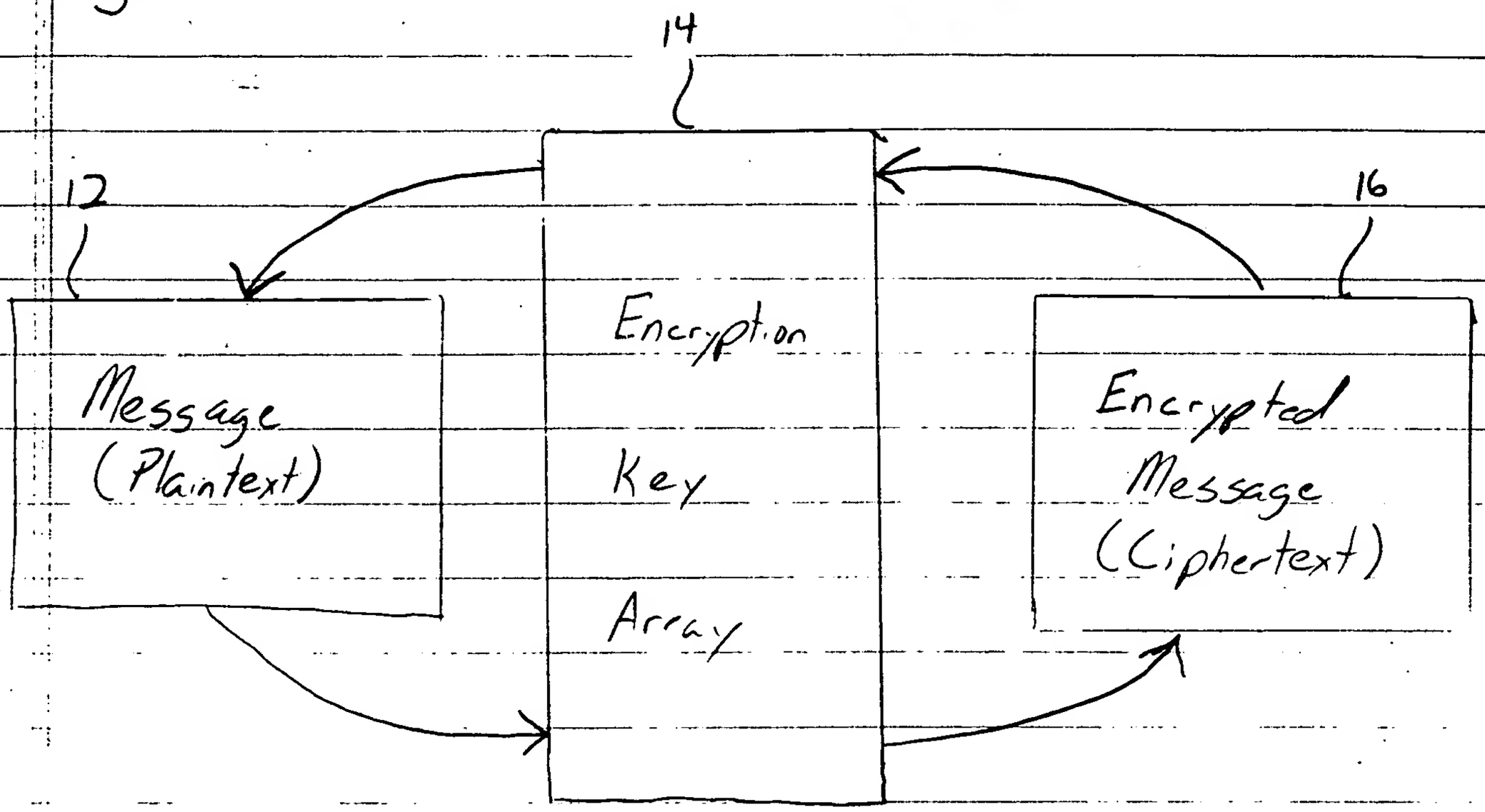

10
14
12
16
Message
(Plaintext)
Encryption
Key
Array
Encrypted
Message
(Ciphertext)

Fig. 2

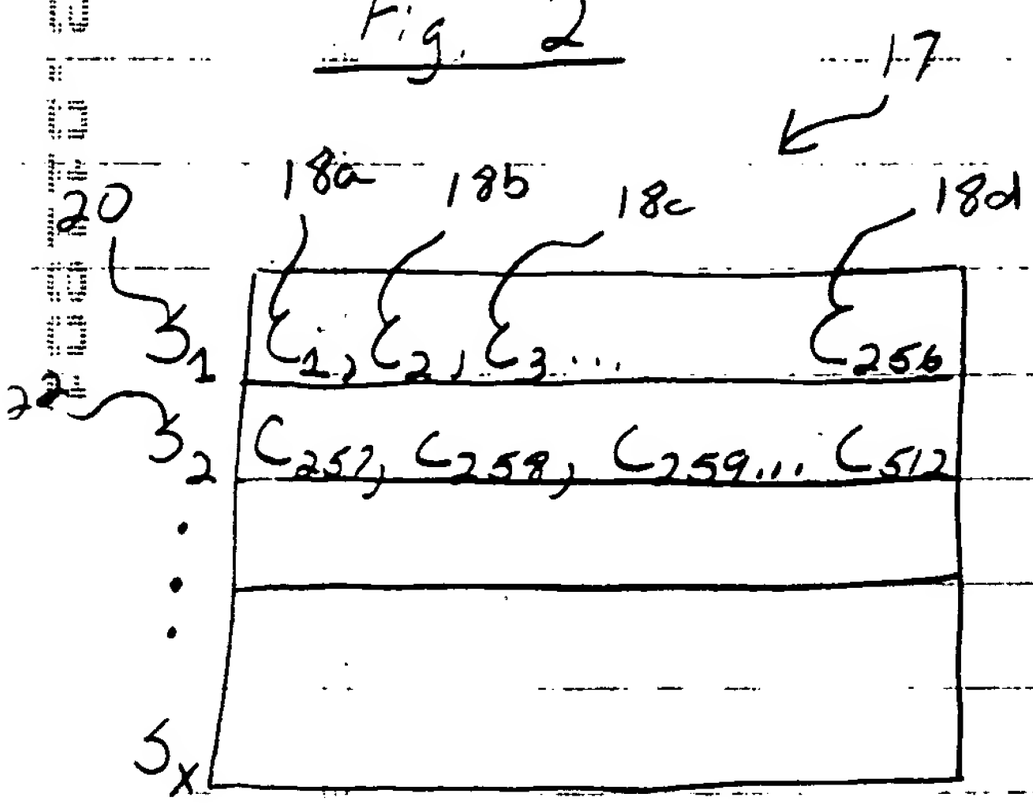

17
20
18a
18b
18c
18d
3_1
$C_1, C_2, C_3 \ldots C_{256}$
22
3_2
$C_{257}, C_{258}, C_{259} \ldots C_{512}$
S_x

Fig. 3

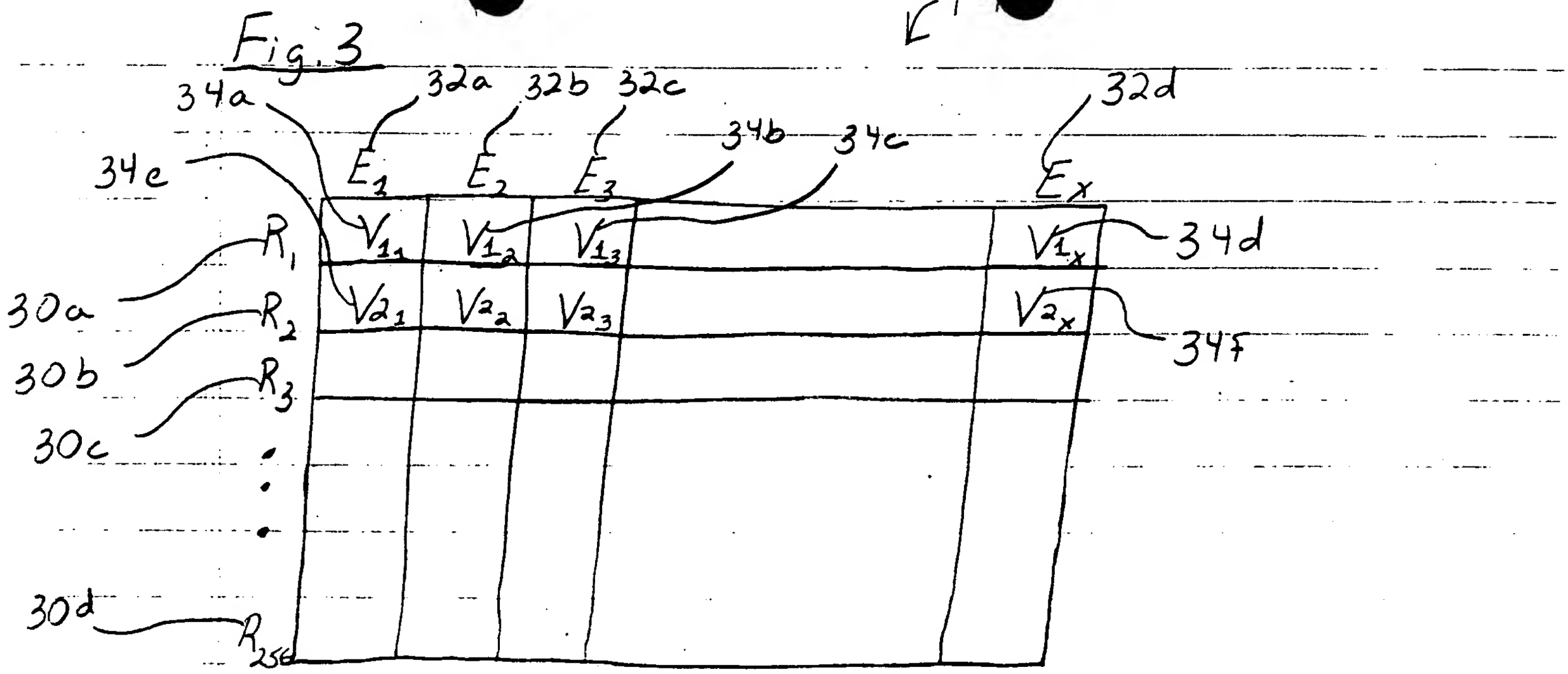

14
34a
32a
32b
32c
32d
34e
34b
34c
E_1
E_2
E_3
E_x
R_1
R_2
R_3
R_{256}
V_{1_1}
V_{1_2}
V_{1_3}
V_{1_x}
V_{2_1}
V_{2_2}
V_{2_3}
V_{2_x}
34d
34f
30a
30b
30c
30d

Fig 4

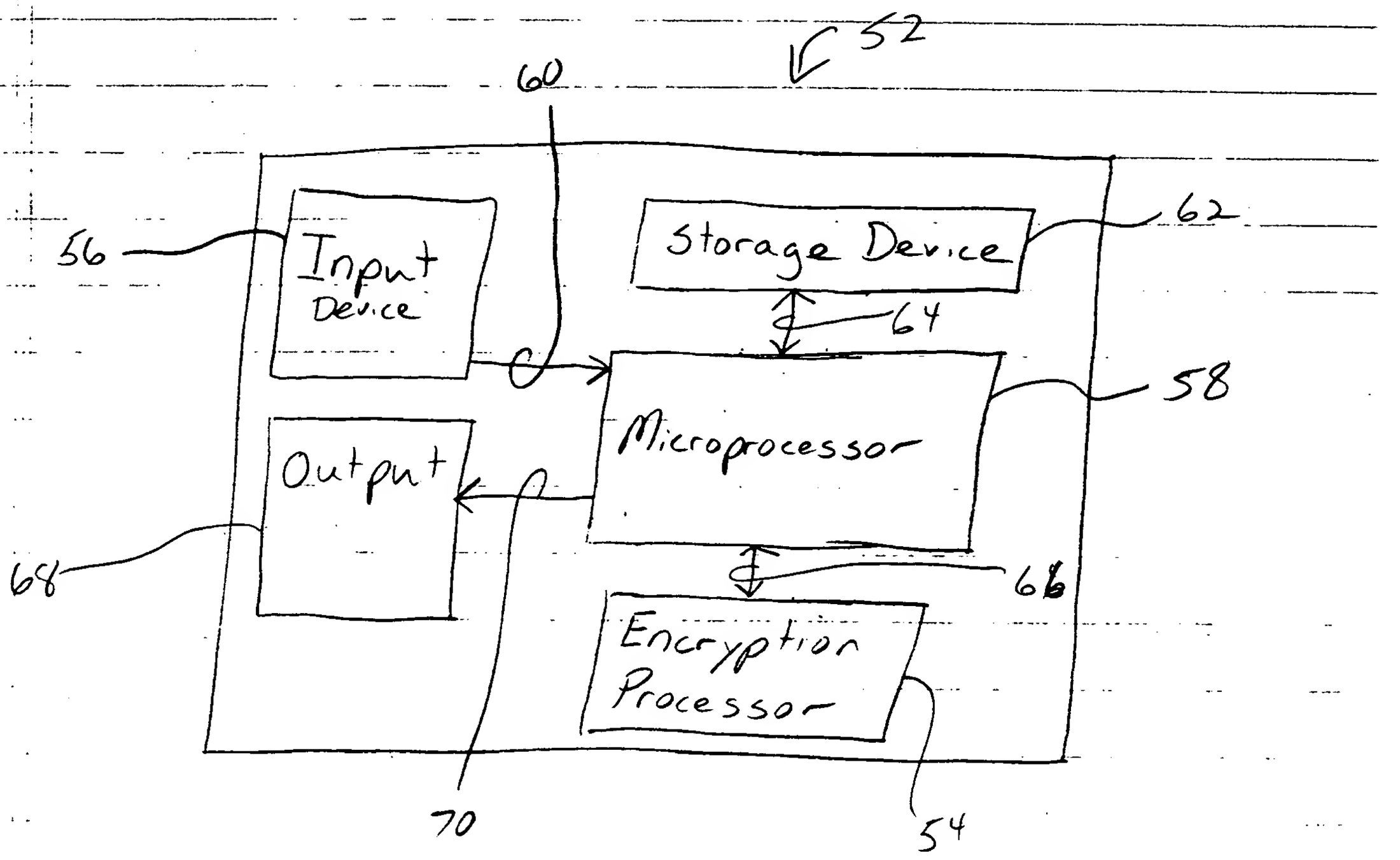

52
60
56
Input Device
Storage Device
62
64
58
Microprocessor
Output
68
66
Encryption Processor
70
54

Fig. 5

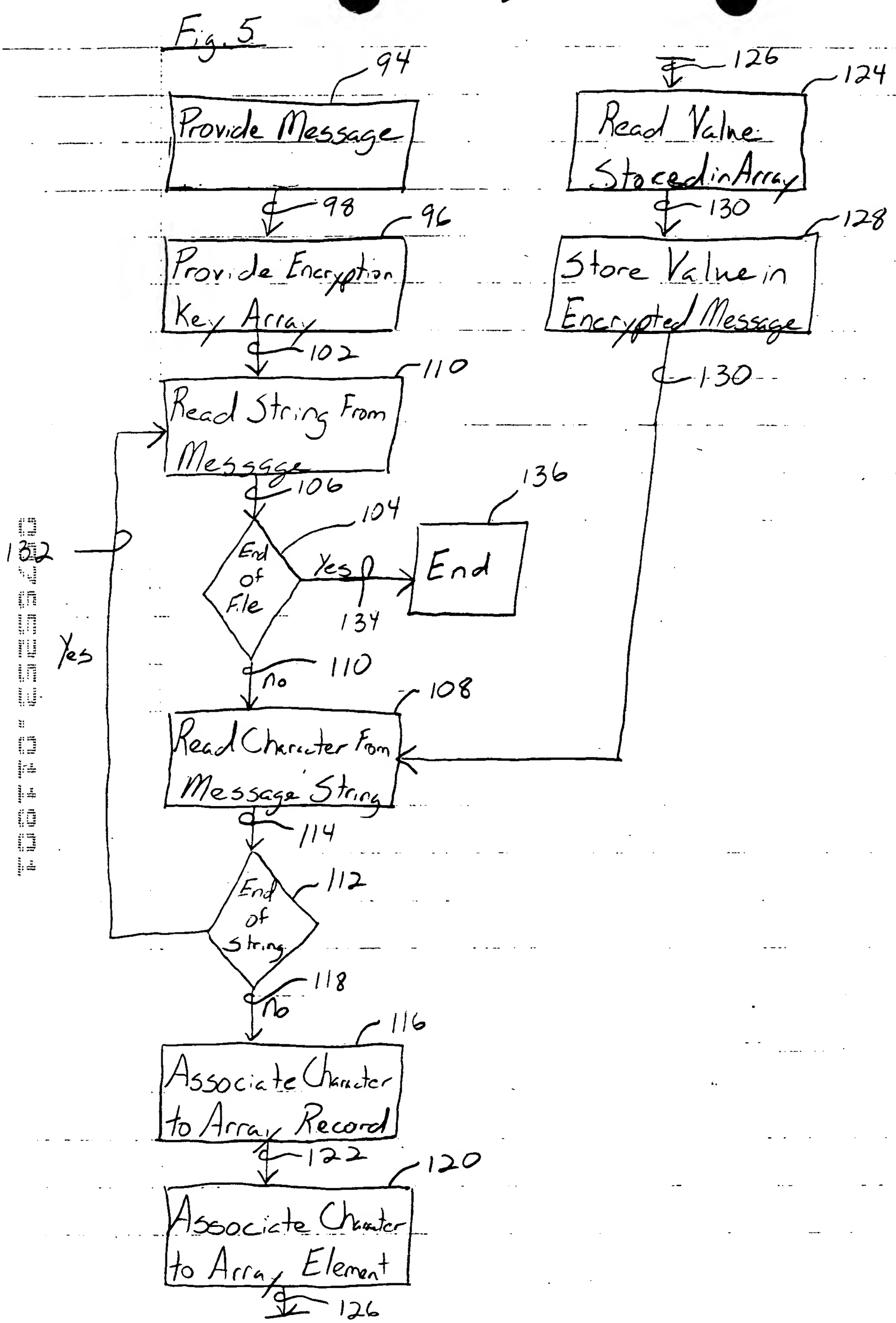

150
94
Provide Message
98
96
Provide Encryption Key Array
102
110
Read String From Message
106
104
End of File
Yes
136
End
134
132
Yes
110
No
108
Read Character From Message String
114
End of String
112
118
No
116
Associate Character to Array Record
122
120
Associate Character to Array Element
126
126
124
Read Value Stored in Array
130
128
Store Value in Encrypted Message
130

Fig. 6

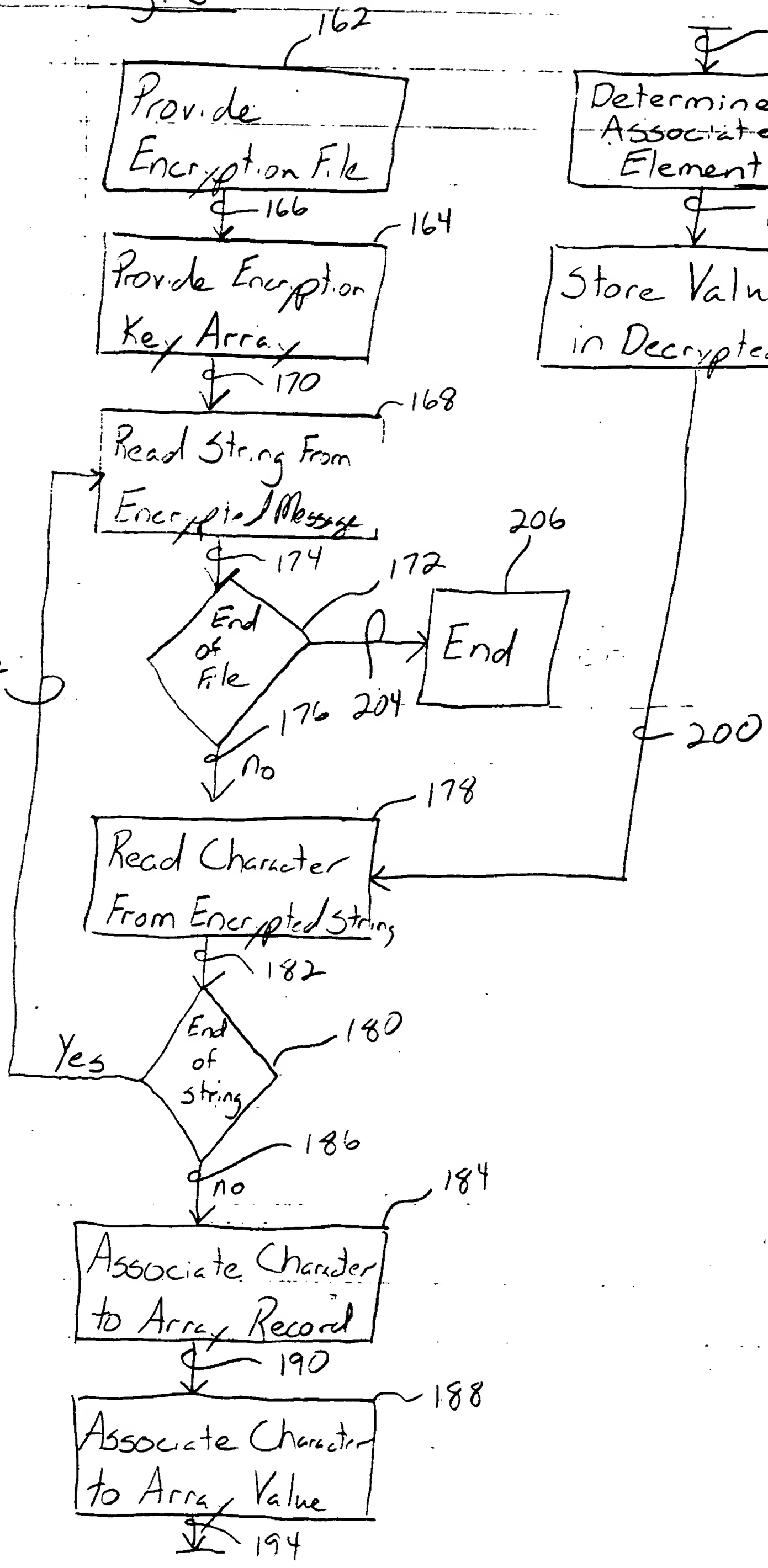

160
162
Provide Encryption File
166
164
Provide Encryption Key Array
170
168
Read String From Encrypted Message
174
172
End of File
206
End
202
176
204
200
No
178
Read Character From Encrypted String
182
End of string
180
Yes
186
no
184
Associate Character to Array Record
190
188
Associate Character to Array Value
194
194
Determine Associated Element
192
198
Store Value in Decrypted Message
196

Fig. 7

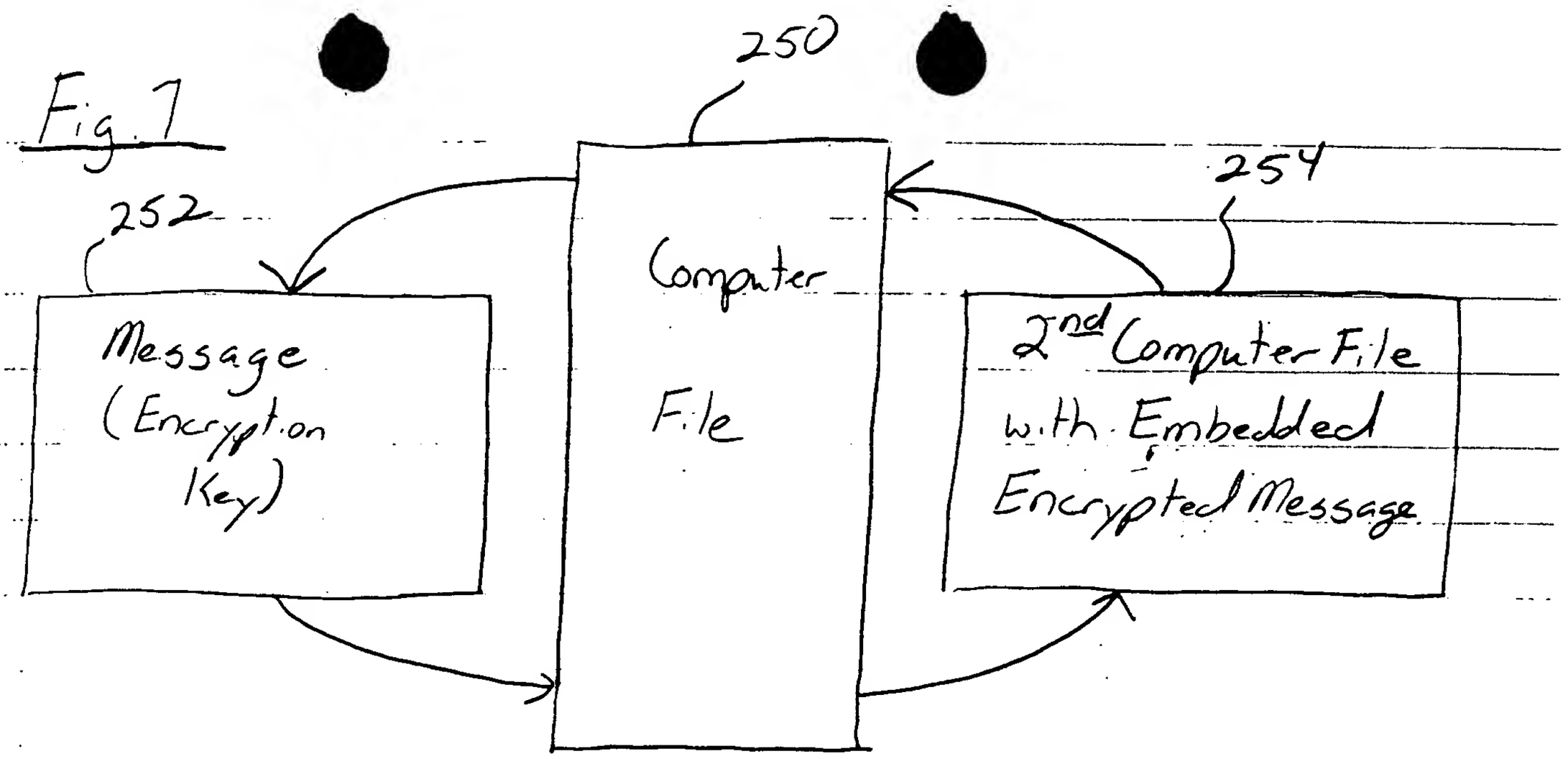
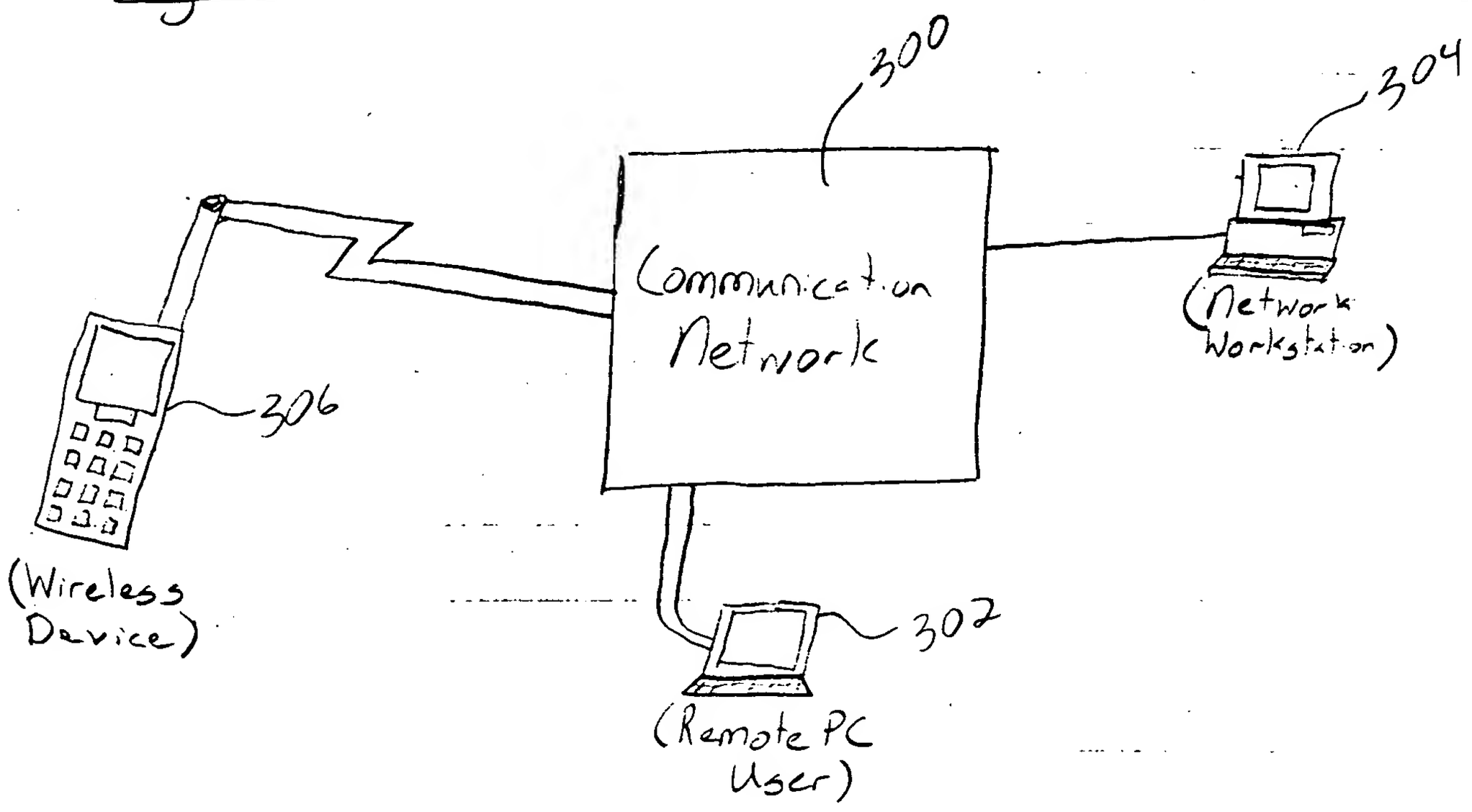

250
252
254
Message (Encryption Key)
Computer File
2nd Computer File with Embedded Encrypted Message

Fig. 9


300
304
Communication Network
(Network Workstation)
306
(Wireless Device)
302
(Remote PC User)

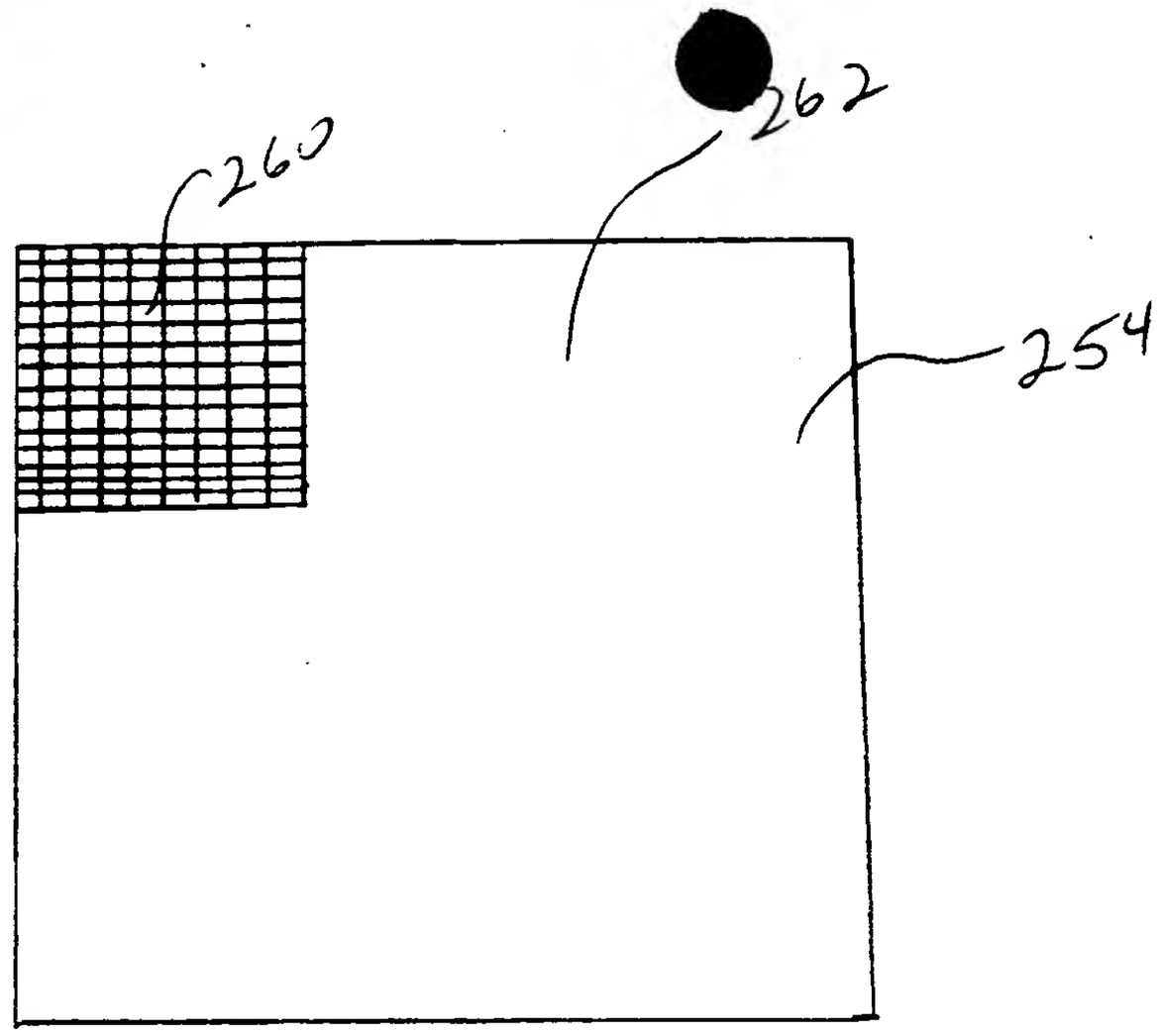



Fig. 8